abenstirling@pm.me

Ben Stirling

——Education

University of California, San Diego   **GPA: 3.6**

BS in Computer Engineering   *September 2022 - June 2024*

——Experience

Fabric8Labs
Associate Process Engineer   *July 2024 - Present*
Developed sophisticated motion control algorithms, implemented automated calibration procedures, and created data processing pipelines that enhanced 3D manufacturing precision. Collaborated across engineering teams to design and validate testing frameworks that improved equipment performance and reliability.

Qualcomm Institute
Makerspace Intern   *July 2022 - July 2023*
Provided technical support across advanced fabrication processes including metal welding, precision electronics, additive manufacturing, laser systems, and CNC operations while maintaining equipment and optimizing workflows. Delivered training on technical procedures and safety protocols to hundreds of people.

——Projects

Plumeria
Personalised date planning website. 100+ sign ups in the first 6 months. 3,000+ dates created.

Botion   **Reverse-engineer Circuits**
Notion-based breakout task app, found on the App Store   *2023 SDx Hackathon Qualcomm Winner*

Raytracer   **Custom NFC Business Cards**
Custom raytracer from scratch in C++   *Sold 30+ Cards in first 6 months, published BotionNFC on App Store*

——Technical Skills

Strong Programming Languages: Python, C, C++, Web (HTML+JS+CSS), Swift, SwiftUI, Git, Vim
Strong Technical Skills: Computer Aided Design (OnShape, Fusion 360), 3D Printing, PCB Design (KiCAD)

——Recommendations

"I worked with Ben for 4 years while he held a non-profit leadership position and 1 year as partners in a startup. I have yet to meet someone more driven to achieve organizational goals. He is a skilled leader, and a hard worker with a cooperative personality" -Sam McDowell, Software Engineer

"A very hard-working student and engineer with a variety of strong, intelligent ideas which I believe could positively influence the world." -Logan Corrente, Mathematician